

ATHOL VISES

EXCLUSIVE FEATURES IN ATHOL VISES

Strong Where Strength Is Needed—Long heavy horn on front of vise gives the front jaw the necessary support and added rigidity when wide work is held in the vise. Extra metal on the back jaw—a spot often used as an anvil—prevents it from breaking.

Buttress Thread on Screw—A full 50% stronger than a square thread of the same pitch—and extra strength and metal comes at the root of the thread—just where the square thread is most apt to break.

Non-Slip Swivel Base—Can't slip because it is corrugated on the outside circle of the runway of the base, exactly the same as the tooth on an internal gear. There is the same corrugation on the clamp bolt and when this taper bolt is drawn in place, the base cannot slip.

Ratchet Handle—Athol is sole manufacturer of this feature. It is not suitable for heavy usage, but splendid for toolmaker or duplication work. The ratchet handle can be quickly set at any angle convenient for your grip and leverage with least movement of jaws—no need to divert your eyes from the work in the vise.

Combination Pipe Vise Grips—The grips in this vise do not need to be removed when holding regular work as they do not project beyond the face of the jaws, yet handle the same pipe sizes as other combination vises. Athol originated this feature, adopted by the Government as standard.

All Jaw Facings on Athol Machinists' Vises are made of tool steel, welded to the vise, then properly tempered and Rockwell tested. Vise castings are made in the Athol foundry.

Spring Screw Fasteners hold the screw tight against the front jaw when opening the vise. After some usage, a vise develops wear at this point, and you must give the handle a half turn or more before it engages to start opening the jaws. Athol now inserts a washer against the front jaw, then a spring and another washer, with a pin through the screw. This compensates for any wear and makes the jaws release instantly, with no slack in the handle.

Cup Point Set Screw keeps base bolt from working loose. Set in the side of the back jaw, screw engages the thread of the base bolt to keep vise securely fastened at all times.

MILLING MACHINE VISES

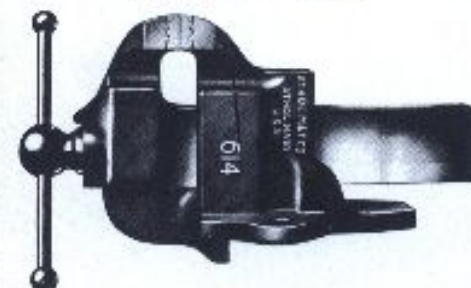


With Removable Swivel Indexing Base

Base and jaws are semi-steel castings. Removable hardened tool steel jaw facings; false jaws for holding any shaped piece can be attached. Indexing base accurately graduated over 180 degrees. Any angle setting required in milling machine operations is obtainable; vise locked in position by 2 clamp bolts. Just loosen 2 bolts to remove vise from swivel base for use as a plain drill press and milling machine vise. Swivel base and vise base have milled $\frac{3}{8}$ -inch keyways. Extra heavy bearing shoulder is an integral part of vise screw. With removable handle. Also available without swivel base.

No.	Price	Width Jaws Inches	Jaws Open Inches	Weight Pounds
1024.....	\$53.00.....	4.....	3½.....	32
1026.....	69.00.....	6.....	4.....	70
1027.....	116.00.....	7.....	4½.....	103

MACHINISTS' VISES



With Stationary Jaw and Base

This is the Standard line of Machinists Vises. Made of semi-steel castings. The jaw facings are made of tool steel, welded to the vises, properly tempered and are mill checked to insure firm grip.

No.	Price	Width Jaws Inches	Jaws Open Inches	Weight Pounds
613.....	\$20.00.....	3.....	4.....	22
*613½.....	22.50.....	3½.....	5.....	30
*614.....	25.50.....	4.....	6.....	47
*614½.....	31.00.....	4½.....	7.....	65
*615.....	40.00.....	5.....	8.....	82
*616.....	78.00.....	6.....	9¾.....	148
618.....	150.00.....	8.....	12¼.....	257

*Can be furnished with removable steels.

MACHINISTS' VISES



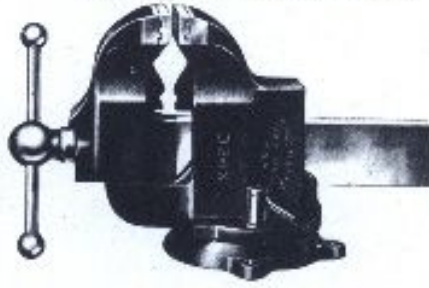
With Stationary Jaw and Swivel Base

These vises are the same as those described on left except they are made with a non slip swivel base.

No.	Price	Width Jaws Inches	Jaws Open Inches	Weight Pounds
623.....	\$26.00.....	3.....	4.....	27
*623½.....	30.00.....	3½.....	5.....	40
*624.....	34.00.....	4.....	6.....	57
*624½.....	40.00.....	4½.....	7.....	75
*625.....	60.00.....	5.....	8.....	95
*626.....	104.00.....	6.....	9¾.....	178
628.....	196.00.....	8.....	12¼.....	303

*Can be furnished with removable steels.

COMBINATION PIPE VISES



With Stationary Jaw and Swivel Base

Jaws made to withstand strain of pipe work. Grips of hardened tool steel. Can easily be replaced when necessary. Grips do not project beyond face of vise jaws.

No.	Price	Width Jaws Inches	Jaws Open Inches	Size Pipe Inches	Weight Pounds
323½.....	\$35.00.....	3½.....	4¼.....	½-2½.....	46
324½X.....	48.00.....	4½.....	6¼.....	½-3½.....	85
325X.....	76.00.....	5.....	7¾.....	½-4½.....	115
326X.....	120.00.....	6.....	8¾.....	¼-6.....	215